

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: **Prakash**  
Serial No. 10/613,446

Examiner: R. Raevis  
Art Unit: 2856

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Filed: **July 3, 2003**

Atty Docket No. 061450-0304606  
D-101-D2

**JUN 14 2005**

Title: **Atomic Force Microscopy Measures of Contact Resistance And  
Current-Dependent Stiction**

**CERTIFICATE OF FACSIMILE TRANSMISSION**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted via facsimile to 703-872-9306 Group Art Unit 2856, Asst. Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313 on June 14, 2005.

By *Cora Baliton*  
Cora Baliton

**AMENDMENT AND RESPONSE TO OFFICE ACTION**

MAIL STOP NON-FEE AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

Sir:

This is a response to the Office Action mailed February 14, 2005.

**Request for Extension of Time**

Applicant requests a one-month extension of time from May 14, 2004 to the date hereof to submit this Response. The Commissioner is authorized to charge Deposit Account 50-2213 (Order No. 061450-0304606 for the requisite one-month small entity extension fee of \$60.00.

Please amend the application as follows:

10613446  
06/15/2005 SFELEKE1 00000032 502213  
01 FC:2201 200.00 DA

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JUN 14 2005

Attorney's Docket 061450-0304606  
Client Reference: FID-101-D2

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re PATENT APPLICATION of:  
SHIVA PRAKASH

Confirmation No: 6564

Application No.: 10/613,446

Group Art Unit: 2855

Filed: July 3, 2003

Examiner: Raevis, Robert R

Title: ATOMIC FORCE MICROSCOPY MEASUREMENTS OF CONTACT  
RESISTANCE AND CURRENT-DEPENDENT STICTION

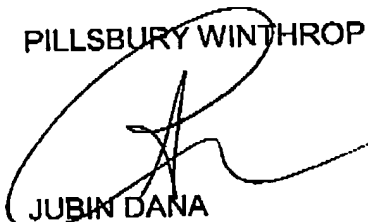
**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**CERTIFICATION OF FACSIMILE TRANSMISSION  
UNDER 37 C.F.R. §1.8**

I hereby certify that the following papers are being facsimile transmitted  
to the Patent and Trademark Office at (703) 872-9306 on the date shown below:

Amendment and Response to Office Action;  
Extension of Time;  
Transmittal

PILLSBURY WINTHROP SHAW PITTMAN LLP



JUBIN DANA  
Reg. No. 41400

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OIPE/IAP**

JUN 15 2005

Date: June 14, 2005  
2475 Hanover Street  
Palo Alto, CA 94304-1114  
Telephone: (650) 233-4500  
Facsimile: (650) 233-4545

(Certification of Facsimile Transmission—page 1)

PTO/SB/17 (12-04)

Approved for use through 07/31/2008. OMB 0831-0032  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL  
for FY 2005**☒ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 200**Complete if Known**

Application Number	10/613,446
Filing Date	July 3, 2003
First Named Inventor	SHIVA PRAKASH
Examiner Name	R. Raevs
Art Unit	2855
Attorney Docket No.	061450-0304606

**METHOD OF PAYMENT** (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Number: 502213 Deposit Account Name: See 1 in Addendum

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayment of fees(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit Card information should not be included on this form. Provide credit card information and authorization on PTO-2033.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fee Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	100	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

**Fee Description**

Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent

Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent

Multiple dependent claims

<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>	<b>Multiple Dependent Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
- 20 or HP =	X	=				
HP = highest number of total claims paid for, if greater than 20						
<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>			
- 3 or HP =	X	=				
HP = highest number of independent claims paid for, if greater than 3						

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(e).

<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
- 100 =	/50=	(round up to a whole number) x	125.00	

**4. OTHER FEE(S)**

Non-English Specification, 130 fee (no small entity discount)

Other: 2 Extra Ind. claims

200.00

<b>SUBMITTED BY</b>	<b>Registration No.</b>	<b>Telephone</b>
Signature _____	(Attorney/Agent) 41400	650 233.4661
Name (Print/Type) John Dana		Date June 14, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

## **Addendum**

### **1. PILLSBURY WINTHROP SHAW PITTMAN LLP**